ABSTRACT OF THE DISCLOSURE

A method for producing a multilayer molded article in which an skin material having nap on the outer surface thereof is integrally molded with a substrate of a synthetic resin, using a mold comprising a pair of male and female mold halves. In this method, after the fabric skin material and the molten resin are clamped in the mold and primary cooling is carried out, the mold is opened halfway to form a predetermined gap between the mold halves, and the molten synthetic resin undergoes secondary cooling and hardens while the mold is held in the half-open state. In the present invention, the time period for the operation to open the mold halfway is set at one second or less. By limiting the half-opening operation time period to the short period of one second or less, recovery of the nap is reliably achieved without the nap tending to stay flattened. Moreover, because the transition from the primary cooling step to the secondary cooling step occurs in a short period of time, problems such as inadequate cooling of the molten synthetic resin do not occur.